APPENDIX (V)

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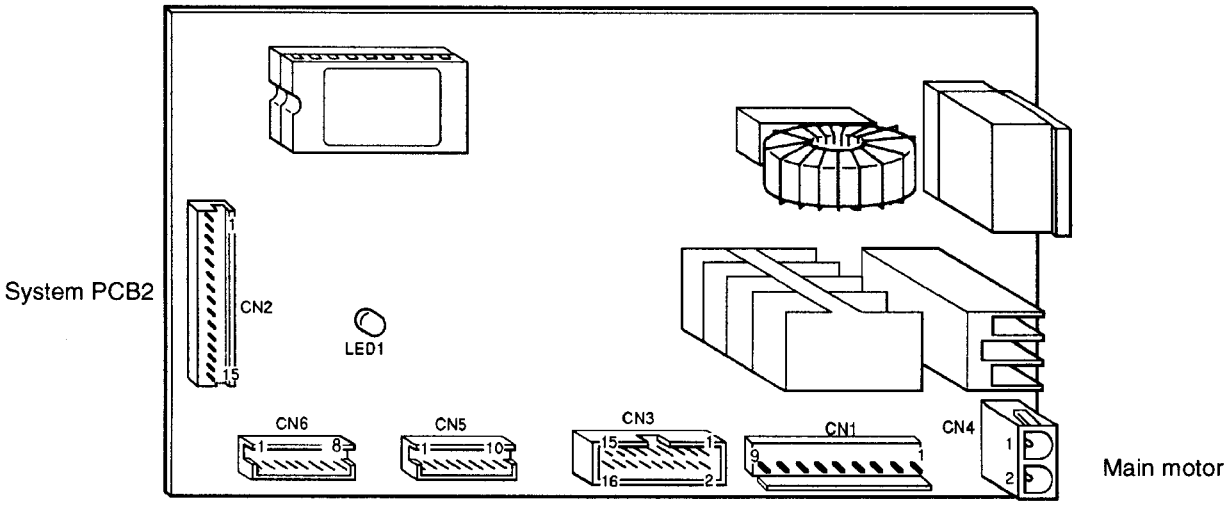
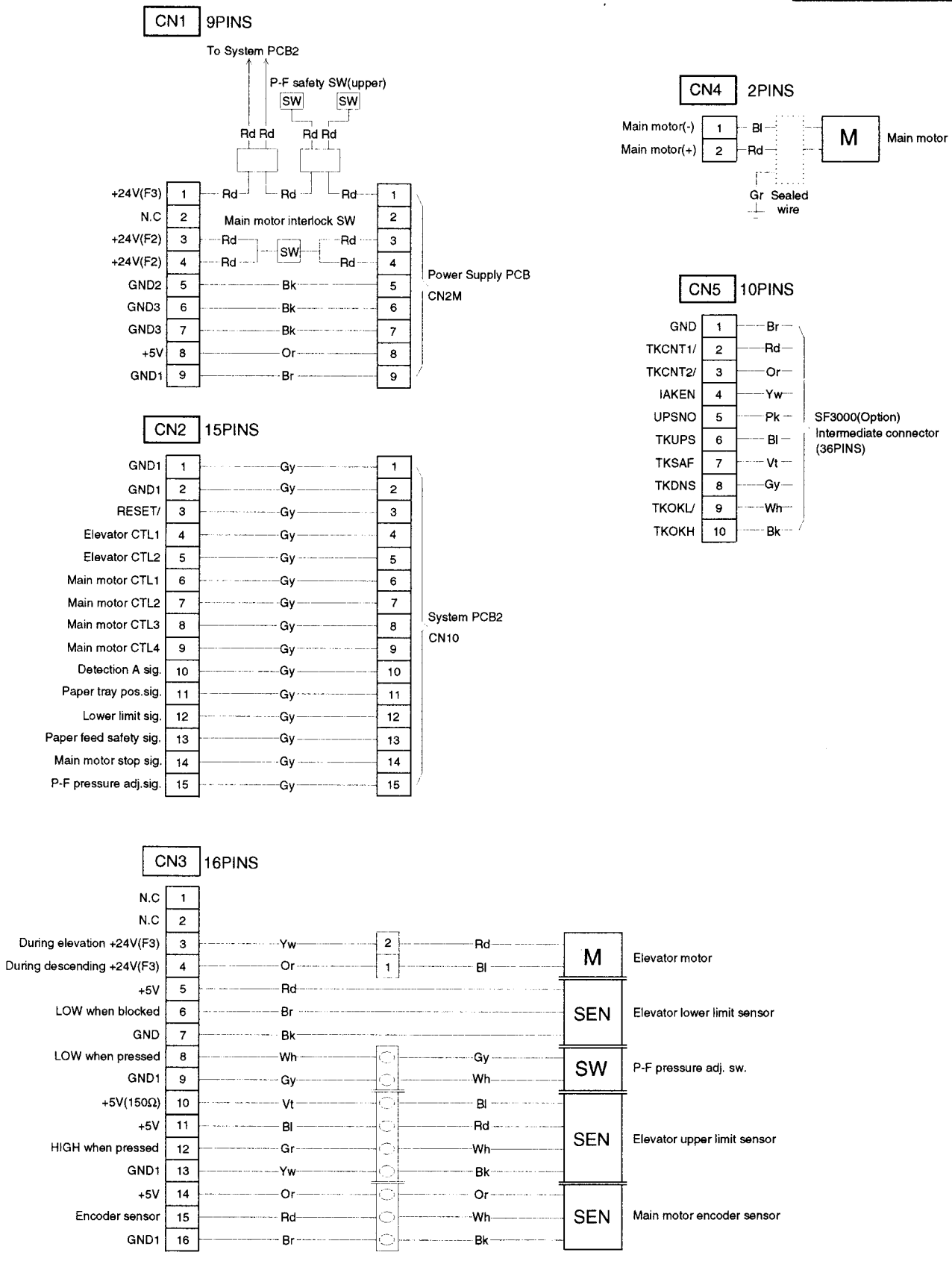
6. Motor Control PCB2

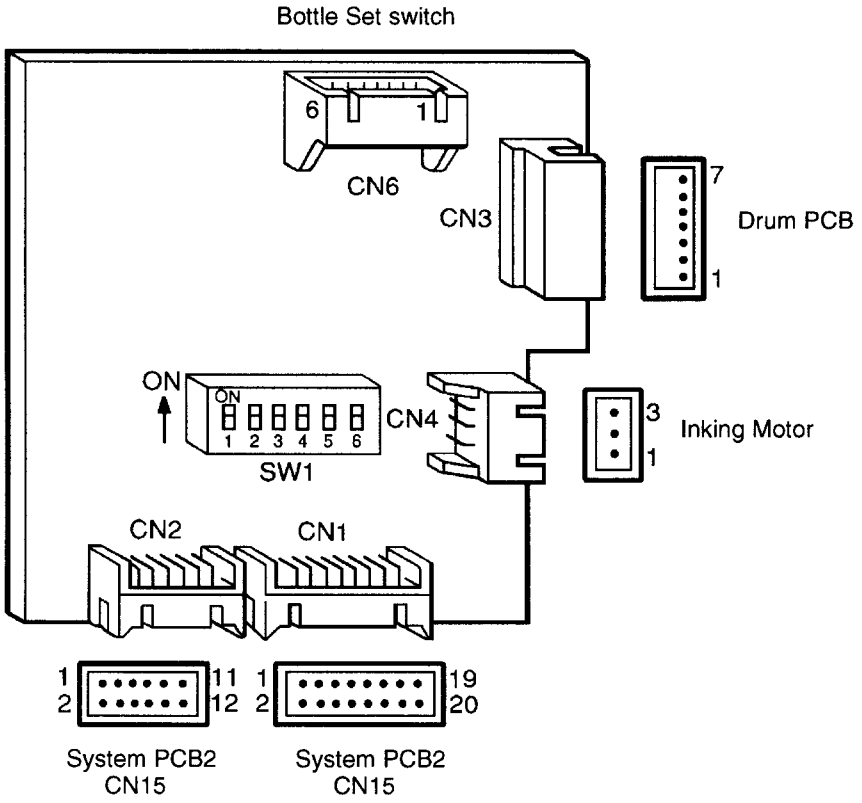


LED **- When LED is ON -**

LED 1: The actuator of Elevator upper limit sensor is raised to open the light path.


CN1 9PINS
To System PCB2
P-F safety SW(upper)
SW SW
Rd Rd Rd Rd
+24V(F3) 1 Rd Rd Rd 1
N.C 2 2
Main motor interlock SW
+24V(F2) 3 Rd SW Rd 3
+24V(F2) 4 Rd Rd 4
GND2 5 Bk 5
GND3 6 Bk 6
GND3 7 Bk 7
+5V 8 Or 8
GND1 9 Br 9
Power Supply PCB
CN2M
CN4 2PINS
Main motor(-) 1 Bl
Main motor(+) 2 Rd
M
Main motor
Gr Sealed wire
CN5 10PINS
GND 1 Br
TKCNT1/ 2 Rd
TKCNT2/ 3 Or
IAKEN 4 Yw
UPSNO 5 Pk
TKUPS 6 Bl
TKSAF 7 Vt
TKDNS 8 Gy
TKOKL/ 9 Wh
TKOKH 10 Bk
SF3000(Option)
Intermediate connector
(36PINS)
CN2 15PINS
GND1 1 Gy 1
GND1 2 Gy 2
RESET/ 3 Gy 3
Elevator CTL1 4 Gy 4
Elevator CTL2 5 Gy 5
Main motor CTL1 6 Gy 6
Main motor CTL2 7 Gy 7
Main motor CTL3 8 Gy 8
Main motor CTL4 9 Gy 9
Detection A sig. 10 Gy 10
Paper tray pos.sig. 11 Gy 11
Lower limit sig. 12 Gy 12
Paper feed safety sig. 13 Gy 13
Main motor stop sig. 14 Gy 14
P-F pressure adj.sig. 15 Gy 15
System PCB2
CN10
CN3 16PINS
N.C 1
N.C 2
During elevation +24V(F3) 3 Yw 2 Rd
During descending +24V(F3) 4 Or 1 Bl
M
Elevator motor
+5V 5 Rd
LOW when blocked 6 Br
GND 7 Bk
SEN
Elevator lower limit sensor
LOW when pressed 8 Wh Gy
GND1 9 Gy Wh
SW
P-F pressure adj. sw.
+5V(150Ω) 10 Vt Bl
+5V 11 Bl Rd
HIGH when pressed 12 Gr Wh
GND1 13 Yw Bk
SEN
Elevator upper limit sensor
+5V 14 Or Or
Encoder sensor 15 Rd Wh
GND1 16 Br Bk
SEN
Main motor encoder sensor

7. Drum Control PCB2

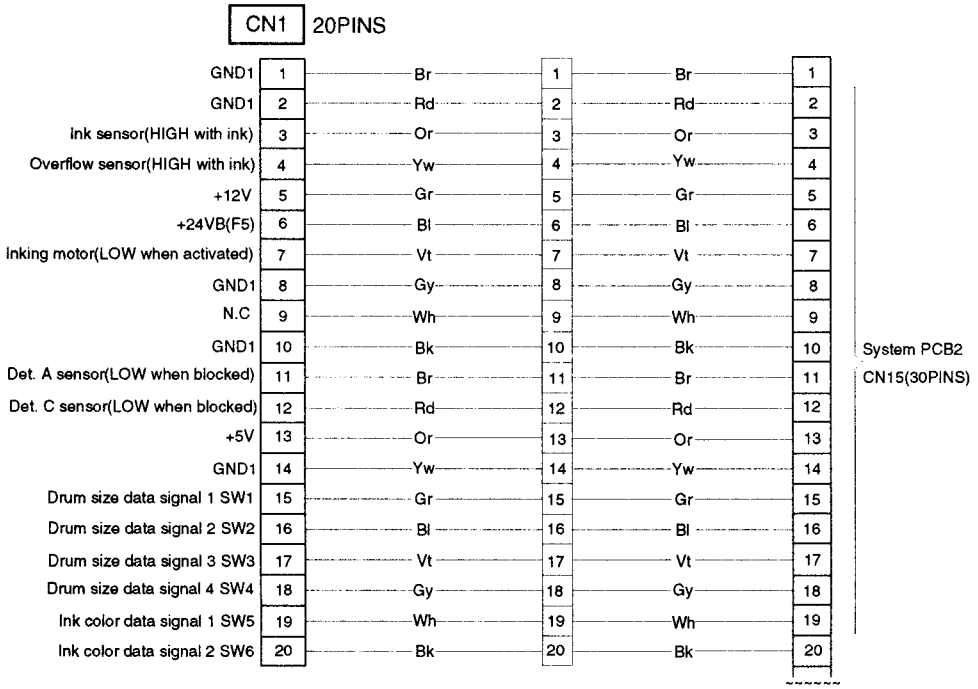


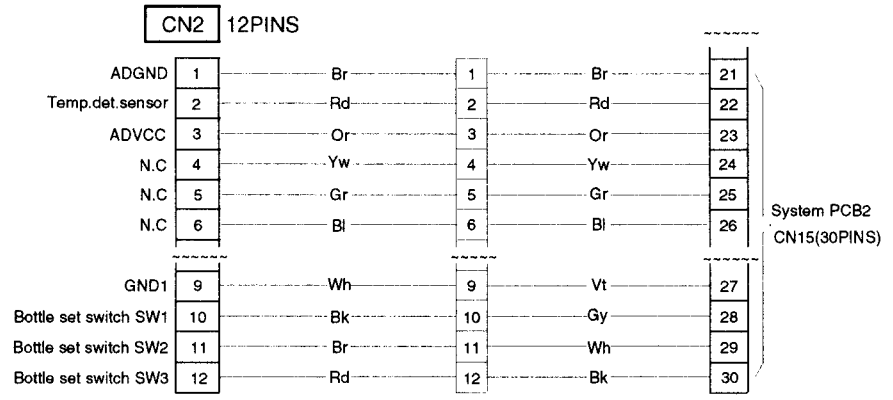
SW

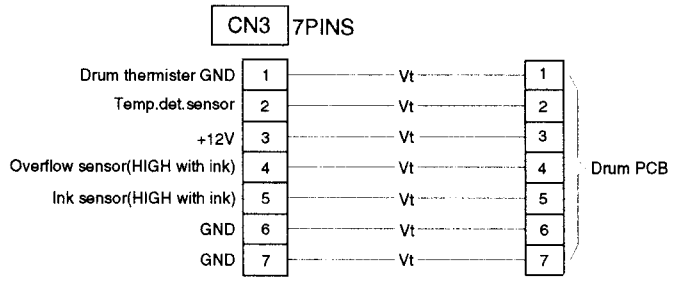
SW1 : Drum Data

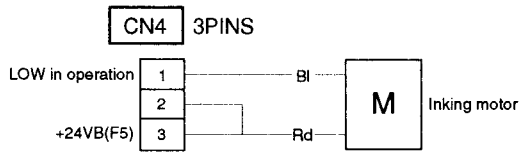
DATA	SW	SETTING		
Drum General Data		**STD**		
	1	OFF		
	2	OFF		
Drum Size Data (Legal/A4/B4)		**Legal**	**A4**	**B4**
	3	OFF	ON	ON
	4	OFF	ON	OFF
Drum Size Data (Ledger/A3)		**Ledger**	**A3**	**A4WIDE**
	3	ON	OFF	OFF
	4	OFF	OFF	ON
Ink Data		**Black**		**Color**
	5	OFF		OFF
	6	OFF		ON

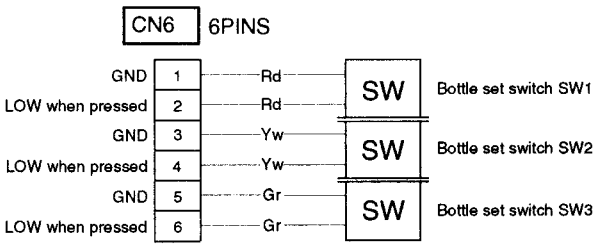
* A3/B4 selection will be made by model selection switch


CN1 20PINS
GND1 1 Br 1 Br 1
GND1 2 Rd 2 Rd 2
Ink sensor(HIGH with ink) 3 Or 3 Or 3
Overflow sensor(HIGH with ink) 4 Yw 4 Yw 4
+12V 5 Gr 5 Gr 5
+24VB(F5) 6 Bl 6 Bl 6
Inking motor(LOW when activated) 7 Vt 7 Vt 7
GND1 8 Gy 8 Gy 8
N.C 9 Wh 9 Wh 9
GND1 10 Bk 10 Bk 10
Det. A sensor(LOW when blocked) 11 Br 11 Br 11
Det. C sensor(LOW when blocked) 12 Rd 12 Rd 12
+5V 13 Or 13 Or 13
GND1 14 Yw 14 Yw 14
Drum size data signal 1 SW1 15 Gr 15 Gr 15
Drum size data signal 2 SW2 16 Bl 16 Bl 16
Drum size data signal 3 SW3 17 Vt 17 Vt 17
Drum size data signal 4 SW4 18 Gy 18 Gy 18
Ink color data signal 1 SW5 19 Wh 19 Wh 19
Ink color data signal 2 SW6 20 Bk 20 Bk 20
System PCB2
CN15(30PINS)


CN2 12PINS
ADGND 1 Br 1 Br 21
Temp.det.sensor 2 Rd 2 Rd 22
ADVCC 3 Or 3 Or 23
N.C 4 Yw 4 Yw 24
N.C 5 Gr 5 Gr 25
N.C 6 Bl 6 Bl 26
GND1 9 Wh 9 Vt 27
Bottle set switch SW1 10 Bk 10 Gy 28
Bottle set switch SW2 11 Br 11 Wh 29
Bottle set switch SW3 12 Rd 12 Bk 30
System PCB2
CN15(30PINS)


CN3 7PINS
Drum thermister GND 1 Vt 1
Temp.det.sensor 2 Vt 2
+12V 3 Vt 3
Overflow sensor(HIGH with ink) 4 Vt 4
Ink sensor(HIGH with ink) 5 Vt 5
GND 6 Vt 6
GND 7 Vt 7
Drum PCB


CN4 3PINS
LOW in operation 1 Bl
2
+24VB(F5) 3 Rd
M
Inking motor


CN6 6PINS
GND 1 Rd
LOW when pressed 2 Rd
SW
Bottle set switch SW1
GND 3 Yw
LOW when pressed 4 Yw
SW
Bottle set switch SW2
GND 5 Gr
LOW when pressed 6 Gr
SW
Bottle set switch SW3